SECURITIES AND EXCHANGE COMMISSION

WASHINGTON, D.C. 20549

FORM 8-K

CURRENT REPORT

Pursuant to Section 13 or 15(d) of the

Securities Act of 1934

Date of Report (Date of earliest event reported): August 12, 2004

Commission File Number 0-50626

XCYTE THERAPIES, INC.

(Exact name of registrant as specified in its charter)

Delaware (State or other jurisdiction of

incorporation or organization)

91-1707622 (I.R.S. Employer

Identification Number)

1124 Columbia Street, Suite 130

Seattle, Washington 98104

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(Address of principal executive offices and zip code)

(206) 262-6200

(Registrant s telephone number, including area code)

Item 7. Financial Statements and Exhibits

(c) Exhibits

99.1 Press Release of Xcyte Therapies, Inc. dated August 12, 2004.

Item 12. Results of Operations and Financial Condition

On August 12, 2004, Xcyte Therapies, Inc. issued a press release announcing financial results for its second quarter ended June 30, 2004. A copy of the press release is furnished herewith as Exhibit 99.1 and incorporated into this Form 8-K by reference.

The information in this Form 8-K, including the attached Exhibit, shall not be deemed filed for purposes of Section 18 of the Securities Exchange Act of 1934, as amended, nor shall it be deemed incorporated by reference into any filing under the Securities Act of 1933, except as shall be expressly set forth by specific reference in such filing.

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SIGNATURES

Pursuant to the requirements of the Securities Exchange Act of 1934, as amended, the Registrant has duly caused this report to be signed on its behalf by the undersigned hereunto duly authorized.

XCYTE THERAPIES, INC.

By: /s/ Kathi L. Cordova

Kathi L. Cordova

Duly Authorized Officer of Registrant and Principal Financial Officer

Senior Vice President of Finance and Treasurer

Date: August 12, 2004

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INDEX TO EXHIBITS

Exhibit Number

Description of Document

99.1

Press Release of Xcyte Therapies, Inc. dated August 12, 2004.

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